

FLEET AIRCRAFT, LTD.

MODELS: Fleet 16B (WCAF Finch II), 2 PO-CLB

T.C. NUMBER: 2-566

|                  |  |
|------------------|--|
| Engine           | Kinner B-5   |
| Fuel             | 73 minimum octane (CFR) aviation gasoline                                      |
| Engine limits    | For all operations, 1925 rpm (125 hp)  |
| Airspeed limits  | Level flight or climb - 105 mph True Ind.<br>Glide or dive - 135 mph True Ind. |
| Propeller limits | (See NOTE 3)   |
| C.G. range       | (-1.93) (25.0 percent MAC) to (+2.89) (35.9 percent                            |

|                           |   |
|---------------------------|---|
|                           | MAC)  |
| Datum                     | Leading edge of lower wing at root  |
| MAC                       | 44 in. L.E. MAC (-12.93)  |
| Leveling means            | Bottom of top longeron in front cockpit   |
| Maximum weight            | 1878 lbs.   |
| No. seats                 | 2 (+9.5) and (+39.5)  |
| Baggage                   | 104 lbs. maximum (See NOTE 1)   |
| Fuel capacity             | 32 gallons (-9.5)   |
| Oil capacity              | 3 gallons (-19)   |
| Control surface movements | Ailerons<br>23 degrees up $\pm$ 2 degrees<br>15 degrees down $\pm$ 2 degrees<br>Elevator<br>36 degrees up $\pm$ 3 degrees<br>24 degrees down $\pm$ 3 degrees<br>Rudder<br>41 degrees right $\pm$ 3 degrees<br>43 degrees left $\pm$ 3 degrees<br>Stabilizer<br>4 degrees up $\pm$ 1 degree<br>4 degrees down $\pm$ 1 degree |
| Certification basis       | Canadian Certificate of Airworthiness for Export  |
| Serial Nos.               | All eligible in accordance with the provisions of<br>NOTE A   |
| Required equipment        | Items 1, 101, 102, 201, 202, 401, 402   |

**EQUIPMENT:**

(Items included under "Required equipment" may not be removed unless replaced by approved equivalent items. The effect upon balance of all equipment changes must be computed and the aircraft operation record revised accordingly.)

**Propellers and Propeller Accessories:**

1. Propeller - fixed pitch wood  
(See NOTE 3) (-62)

**Engine and Engine Accessories (Fuel and Oil System)**

101. Oil cooler (integral with oil tank) (-19)
102. Carburetor air heater
103. Carburetor air filter - Air Maze
104. Starter - Eclipse Model VI, electric
106. Cockpit heater - exhaust type

**Landing Gear**

201. 7.50-10 wheels and brakes (Kelsey  
Wheel Co. Model 750A) (-12.5)
202. 10x3 tail wheel (+175)

**Electrical and Radio Equipment**

None

**Interior Equipment**

401. First air kit
402. Safety belt Model L-RCAF

**Miscellaneous (not listed above)**

600. Miscellaneous items as noted in approved  
weight and balance report

NOTE A. The Canadian Certificate of Airworthiness for Export must be submitted for each individual aircraft for which application for certification is made and each aircraft shall be inspected by a C.A.A. inspector.

NOTE 1. The following placards must be appropriately displayed:

- (1) "Intentional Spinning Prohibited."
- (2) "Solo From Front Seat Only."
- (3) "Minimum of \_\_\_\_\_ lbs. necessary in baggage compartment for solo flight."
- (4) "Maximum of \_\_\_\_\_ lbs. permitted in baggage compartment when passenger is carried."

With regard to Items (3) and (4) the C.A.A. inspector shall determine for each aircraft the amount of ballast, if any, which is necessary in the baggage compartment when the airplane is flown solo and also the maximum baggage permissible when a passenger is carried.

NOTE 2. Aircraft should be checked for conformity with the following:

- (1) Rigging specifications:  
Dihedral 0 degrees upper, 4 degrees lower  
Stagger 23 inches  
Gap 54 inches at center  
Sweepback 0

Incidence 0

- (2) Fuel and oil placards:  
The words "fuel 32 gals." and "73 octane" should be marked adjacent to the fuel tank filler opening.  
The words "oil 3 gals." should be marked adjacent to the oil filler opening.
- (3) All openings in and around firewall should be sealed.
- (4) Placard the fuse ratings on the fuse panel and provide a master switch or remove the battery and battery box, if any, from the aircraft.
- (5) Cockpit instruments should be marked to indicate the proper airspeed and engine limitations.

NOTE 3. The following Canadian-approved propellers are eligible. No static rpm limits need be specified if one of these propellers is used.

- (1) Canadian Vickers wood propeller (Drawing No. 3435)  
Diameter - 87 in. to 90 in.
- (2) S. and S. Wood propeller (Drawing No. 1242)  
Diameter - 89 in. to 92 in.
- (3) Hartzell wood propeller models 409, 671B or 671C with hub for 7/16 inch diameter bolts.

If any other fixed pitch wood propeller is used, the following limits shall apply:

Diameter - not more than 92 in.; not less than 89 in.  
Static rpm - not more than 1650; not less than 1650.